

Title (en)

ROD TYPE POLYMER PREFORM HAVING RADIALY-VARYING PROPERTIES, PROCESS FOR THE PREPARATION THEREOF AND APPARATUS THEREFOR

Title (de)

STABFÖRMIGES POLYMERHALBZEUG MIT RADIAL-VARIIERENDEN EIGENSCHAFTEN, VERFAHREN ZU SEINER HERSTELLUNG UND VORRICHTUNG DAZU

Title (fr)

PREFORME POLYMERES DU TYPE BARREAU, POSSEDANT DES PROPRIETES DE VARIATION RADIALE, PROCEDE DE PREPARATION DE CETTE PREFORME ET DISPOSITIF DESTINE A CET EFFET

Publication

**EP 1268560 A4 20030604 (EN)**

Application

**EP 01922075 A 20010321**

Priority

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- KR 20000014204 A 20000321

Abstract (en)

[origin: WO0170823A1] A rod type polymer preform with radially-varying properties, e.g., refractive index, which is useful for preparing a contaminant-free high-bandwidth graded-index plastic optical fiber (GI-POF) or optical rod lens, can be conveniently prepared by a method which comprises charging a reactive material into a cylindrical reactor, inducing a chemical reaction while rotating the cylindrical reactor, and repeating the charging and reaction procedure two or more times using chemically or compositionally different materials in each of the repeating step.

IPC 1-7

**B29C 41/04**; **B29C 67/24**; **B29D 11/00**; **G02B 6/18**

IPC 8 full level

**B29D 11/00** (2006.01); **C08F 2/00** (2006.01); **C08F 2/02** (2006.01)

CPC (source: EP KR US)

**B29D 11/00721** (2013.01 - EP US); **C08F 2/00** (2013.01 - KR); **C08F 2/02** (2013.01 - EP US)

Citation (search report)

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- See references of WO 0170823A1

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DOCDB simple family (publication)

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